

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Currently Amended)** An electrodeless lamp comprising:

a transparent bulb portion forming a filling space having a complete spherical shape inside which defines a center, ~~the filling space is~~ to be charged with a gas-fill generating plasma by electromagnetic energy;

a stem portion extending from the bulb portion to a predetermined length to become a rotational shaft of the bulb portion; and

a protruding portion extendingly formed with a predetermined circular area and a height located at an inner circumference of the filling space of the bulb portion, where the inner circumference is at a plane which is at the center of the spherical shape ~~the protruding portion is to be protruding and serving as an electrode.~~

2. (Original) The electrodeless lamp of claim 1, wherein the protruding portion comprises a pair of protrusions protruding from the inner circumference of the bulb portion.

3. (Original) The electrodeless lamp of claim 1, wherein the protruding portion comprises at least two protrusions protruding from the inner circumference of the bulb portion.

4. (Original) The electrodeless lamp of claim 3, wherein the protrusions are vertical to an axis extending from the same axis of the stem portion and lie in the same line on the inner circumference forming a greatest circle.

5. (Original) The electrodeless lamp of claim 4, wherein the protrusions are provided by pairs.

- 6. - 10. (Canceled)**

11. (Original) The electrodeless lamp of claim 1, wherein the protruding portion comprises a pair of protrusions protruding to confront each other to lie on a vertical line to an axis extending from the same axis of the stem portion.

12. (Original) The electrodeless lamp of claim 1, wherein a ratio ($L1/L2$) of a length ($L1$) between ends of the protrusions over an inside diameter ($L2$) of the bulb portion is $1/1.3$.

13. (Original) The electrodeless lamp of claim 11, wherein each width of the protrusions is $L2/8 \sim L2/6$ for the inside diameter ($L2$) of the bulb portion.

14. (Original) The electrodeless lamp of claim 1, wherein the protruding portion is formed of the same material of the bulb portion.

15. (Currently Amended) An electrodeless lamp comprising:
a transparent bulb portion forming a filling space having a complete spherical shape inside;
~~the filling space is to be charged with a gas-fill generating plasma by electromagnetic energy;~~
a stem portion extending from the bulb portion to a predetermined length to become a rotational shaft of the bulb portion; and
a pair of protrusions extendingly formed at an inner circumference of the filling space and positioned on a greatest diameter of the bulb portion vertical to an axis extending from the same axis of the stem portion;
~~and serving as an electrode.~~

16. (Currently Amended) An electrodeless lamp comprising:
a transparent bulb portion forming a filling space having an incomplete spherical shape inside which defines a center, to be charged with a gas-fill generating plasma by electromagnetic energy;
a stem portion extending from the bulb portion to a predetermined length to become a rotational shaft of the bulb portion; and

a protruding portion extendingly formed with a predetermined circular area and a height located at an inner circumference of the filling space of the bulb portion, where the inner circumference is at a plane which is at the center of the spherical shape and serving as an electrode.

17. (Canceled)